of the coding region of a foreign gene, without any extraneous nucleotide between the 5' end of the nontranslated polyhedrin gene leader sequence CTATAAAT (SEQ ID NO. 7), the polyhedrin gene translation initiation codon ATG and the 5' end of the coding region of a foreign gene, wherein said foreign gene is herpes simplex virus type 1 glycoprotein gene.

H1 concl'd

28. (five times amended) Recombinant herpes simplex virus gG-2 antigen produced by employing a recombinant baculovirus having a nontranslated polyhedrin gene leader sequence CTATAAAT (SEQ ID NO. 7) joined to the 5' end of a polyhedrin gene translation initiation codon ATG, and having the polyhedrin gene translation initiation codon ATG joined to the 5' end of the coding region of a foreign gene, without any extraneous nucleotide between the 5' end of the nontranslated polyhedrin gene leader sequence CTATAAAT (SEQ ID NO. 7), the polyhedrin gene translation initiation codon ATG and the 5' end of the coding region of a foreign gene, wherein said foreign gene is herpes simplex virus type 2 glycoprotein gene.

LC 2/2000

H2

36. (four times amended) A composition comprising ~~pure~~ purified recombinant baculovirus expressed herpes simplex virus gG-1 antigen or herpes simplex virus gG-2 antigen in a pharmaceutically acceptable carrier, wherein the recombinant baculovirus has a nontranslated polyhedrin gene leader sequence CTATAAAT (SEQ ID NO. 7) joined to the 5' end of a polyhedrin gene translation initiation codon ATG, and has the polyhedrin gene translation initiation codon ATG joined to the 5' end of the coding region of the herpes simplex virus type 1 glycoprotein gene or the herpes simplex virus type 2 glycoprotein gene, without any extraneous nucleotide between the 5' end of the nontranslated polyhedrin gene leader sequence CTATAAAT (SEQ ID NO. 7), the polyhedrin gene translation initiation codon ATG and the 5' end of the coding region of the herpes simplex virus type 1 glycoprotein gene or the herpes simplex virus type 2 glycoprotein gene.

REMARKS

The present application is directed the recombinant herpes simplex virus types 1 and 2 glycoprotein antigens designated glycoprotein G-1 (gG-1) and glycoprotein G-2 (gG-2) produced by baculovirus expression vectors. The recombinant antigens are particularly useful for detecting type-specific herpes simplex virus infections.

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